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(54) Optical coupler

(57) A three-port optical coupler for a two way optical fibre transmission system incorporates a four-port directional coupler 1 one of whose limbs 5 is terminated in a reflection

free manner provided by a local modification of the fibre geometry, for instance by a bend or a taper, to render it optically leaky, and by embedding this region in a medium whose refractive index is not less than that of the optical cladding of the fibre.

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